What is claimed is:

1.   A storage service method, comprising:

monitoring a storage capacity of a data
accumulation unit of a user terminal device; and

transferring data of the data accumulation
unit to a storage service providing device through
a network such that the free capacity cannot be
smaller than a predetermined value.

2.   The method according to claim 1, wherein:

said user terminal device detects whether or
not data is deleted or updated; and

when data is deleted or updated, the data
before deletion or update is transferred to the
storage service providing device.

3.   The method according to claim 1, wherein:

a use frequency of data in the user terminal
device is determined; and

data is sequentially transferred to the
storage service providing device in order from
lowest use frequency such that the free capacity of
the data accumulation unit cannot be smaller than
the predetermined value.

4.   The method according to claim 1, wherein:

policy information defining a process of data is added to the data; and

5   when said data is transferred from the data accumulation unit to the storage service providing device, the data to be transferred is selected according to the policy information.

10   5.   A storage service method, comprising:

determining whether or not data is deleted or updated in a user terminal device;

in case data is deleted or updated, transferring the data before deletion or update

15   from the user terminal device to a storage service providing device; and

storing the transferred data in the storage service providing device.

20   6.   A storage service user terminal device, comprising:

a data accumulation unit accumulating data;

a free capacity monitor unit monitoring a free capacity of said data accumulation unit; and

25   a data transfer unit transferring the data of

said data accumulation unit to a storage service providing unit through a network such that the free capacity of said data accumulation unit cannot be smaller than a predetermined value based on a

5 monitor result of said free capacity monitor unit.

7.   The device according to claim 6, further comprising

a detection unit detecting whether or not data

10 is deleted or updated, wherein

when said detection unit detects that data is deleted or updated, said data transfer unit transfers the data before deletion or update to said storage service providing device.

15

8.   The device according to claim 6, further comprising

a use frequency determination unit determining a use frequency of data accumulated in said data

20 accumulation unit, wherein

said data transfer unit sequentially transfers the data in order from lowest use frequency based on a determination result of said use frequency determination unit.

25

9. \ The device according to claim 6, wherein:

said data accumulation unit stores data with policy information defining a process of the data added to the data; and

5   when data is transferred from said data accumulation unit to said storage service providing device, data to be transferred is selected according to the policy information.

10   10. The device according to claim 6, further comprising

a data determination unit determining whether or not data to be used has been transferred to the storage service providing device, wherein

15   when said data determination unit determines that the data has been transferred to the storage service providing device, said data transfer unit downloads the data from the storage service providing device.

20

11. The device according to claim 6, further comprising

an update date determination unit determining an update date of data, wherein

25   said data transfer unit selects data of an

earlier update date as transfer data.

12. The device according to claim 6, further comprising

5   a relevant data determination unit determining whether or not relevant data exists, wherein

when said relevant data determination determines that there is relevant data, said data transfer unit simultaneously transfers other data

10 relevant to the data to said storage service providing device.

13. The device according to claim 6, wherein said data transfer unit comprises an upload

15 unit and a download unit respectively uploading the data in said data accumulation unit into said storage service providing device when said free capacity of said data accumulation unit is close to the predetermined value and downloading necessary

20 data from said storage service providing device.

14. A storage service providing device, comprising:

a reception unit receiving data to be uploaded

25 from a user terminal device through a network to

reserve a free capacity such that a free capacity of a data accumulation unit of the user terminal device cannot be smaller than a predetermined value;.

5   a data accumulation unit storing data;

a data read unit reading data when the user terminal device requests the data to be downloaded; and

a transmission unit downloading the data read
10   from said data accumulation unit into the user terminal device.

15.   The device according to claim 14; further comprising:

15   a difference generation unit generating a difference between the data received by said reception unit and past data stored in said data accumulation unit; and

data storage unit storing the difference data
20   generated by said difference generation unit in said data accumulation unit.

16.   A computer-readable storage medium storing a storage service program used to direct a computer
25   to perform the process comprising:

monitoring a free capacity of a data accumulation unit of a user terminal device; and

transferring data in said data accumulation unit to a storage service providing device through

5 a network such that the free capacity cannot be smaller than a predetermined value.

17. The storage medium according to claim 16, wherein:

10 it is determined whether or not data is deleted or updated in the user terminal device; and

when data is deleted or updated, the data before deletion or update is transferred from the user terminal device to the storage service

15 providing device.